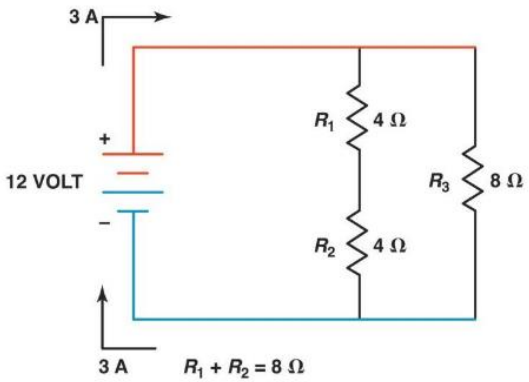
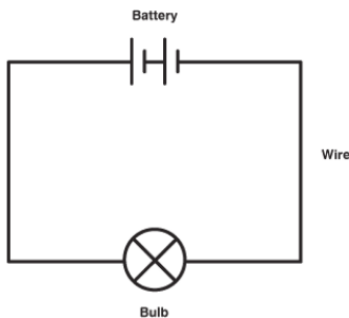


P4 Electric circuits revision questions

1	When plastic rod is rubbed the rod becomes positively charged. Describe how this has happened.		
2	Why do cloths sometimes stick to one another when they have been in the tumble drier?		
3	Give an example of where static electricity can be useful? dangerous ?		
4	What is the unit of electric charge ?		
5	What device measures the rate of flow of charge ?		
6	How must a voltmeter be connected to measure potential difference ?		
7	Give the symbol for a diode a thermistor a variable resistor		
8	What happens to the current in a circuit when the resistance is increased ?		
9	If 2 A flows from a battery for 30 minutes how much charge has flowed from it ?		
10	A 3V battery supplies 200C of charge to a bulb. How much energy has it transferred ?		
11	How can the resistance of a component be measured?		
12	What would be the total resistance of three 20 ohm bulbs placed in series in a circuit?		
13	What would happen to the circuit if one of the bulbs blew? Explain.		
14	What factors does the resistance of a piece of wire depend upon ?		
15	 <p>What current will flow through R_1 ?</p> <p>What would a voltmeter read in parallel with R_3 ?</p> <p>What would a voltmeter read in parallel with R_1 ?</p>	<p>16</p> <p>What would happen to the bulb in the circuit if a second identical one were added in parallel with it? Explain</p> 	<p>17</p> <p>What component would give this Voltage current characteristic ?</p> <p>How does resistance change as the potential difference is increased ?</p> 